

## **LISTING OF THE CLAIMS**

*The following listing of claims replaces all prior claim listing and versions in the application:*

1. (Withdrawn) A method for producing a spindle nut for a ball screw, comprising providing at least one through-opening in the circumference of the nut for receiving a deflecting piece;

arranging a hole punch within the spindle nut, punching out the through-opening of the nut from radially inward to radially outward through the casing of the spindle nut.

2. (Withdrawn) The method as claimed in claim 1, wherein a punching tool comprises the hole punch and also a threaded spike having a thread profile which is formed as a negative profile, in relation to an inner thread of the spindle nut which forms a thread groove for balls, arranging the hole punch radially displaceably in the threaded spike, and arranging the spindle nut on the threaded spike, and then moving the hole punch radially outwardly out of the threaded spike.

3. (Withdrawn) The method as claimed in claim 1, comprising forming the cut portion of the punching operation radially on the inside of a wall defining the through-opening.

4. (Withdrawn) The method as claimed in claim 1, comprising forming a torn-out portion of the punching operation radially on the outside of a wall of the through-opening.

5. (Withdrawn) The method as claimed in claim 1, comprising forming the punching draw-in on the radially inner rim of the through-opening.

6. (Currently Amended) A ball screw with a thread path for accommodating rolling balls, the ball screw comprising:

a spindle including a first thread groove;

a spindle nut ~~arranged~~ positioned on the spindle, the spindle nut having a second thread groove, a through-opening through-opening in the spindle nut, the nut having and an inner circumference; and

[[a]] the thread path formed by [[a]] the first thread groove formed on the spindle and by [[a]] the second thread groove formed in the spindle nut, the thread path including at least one common turn with a run-out end and a run-in end;

~~balls arranged to roll in the thread path;~~

at least one deflecting piece ~~arranged~~ positioned in the through-opening of the spindle nut;

the deflecting piece ~~has~~ including a deflecting channel ~~for~~ positioned and configured to return [[of]] the rolling balls respectively from [[a]] the run-out end to [[a]] the run-in end of the at least one common turn of the thread path,

wherein ~~a rim of the through-opening which is lying~~ includes a rim positioned on the inner circumference of the spindle nut, the rim having has a convex rounding comprising material of the spindle nut drawn from radially inside to radially outside the spindle nut.

7. (Currently Amended) The ball screw as claimed in claim 6, wherein the convex rounding is an edge formed at ~~the~~ a transition from the through-opening to the thread groove of the spindle nut.

8. (Canceled)

9. (Withdrawn and Currently Amended) The method as claimed in claim 1, further comprising installing [[or]] the deflecting piece in the through opening.